

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant : Robert George Hercus  
Int'l. Appl. No. : PCT/IB2004/002119  
Int'l. Filing Date: 21 June 2004  
U.S. Appl. No. : To be assigned  
U.S. Filing Date: Herewith  
Title : NEURAL NETWORKS WITH LEARNING  
AND EXPRESSION CAPABILITY  
Grp./Div. : To be assigned  
Examiner : To be assigned  
Docket No. : 56484/N348  
Customer No. : 23363

**INFORMATION DISCLOSURE STATEMENT  
37 CFR § 1.97(b)**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Post Office Box 7068  
Pasadena, CA 91109-7068  
December 12, 2005

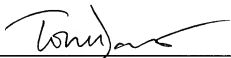
Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO/SB/08A/B listing the references that are known to applicant. Copies of each of the non-U.S. listed references are enclosed. This filing is timely because it is made during one of the periods described in 37 CFR § 1.97(b).

Int'l. Appl. No. PCT/IB2004/002119  
U.S. Appl. No. to be assigned

It is respectfully requested that the listed references be considered in the examination of this application and identified on the list of references cited on the patent issuing for this application. Applicant also requests that an initialed copy of FORM PTO/SB/08A/B be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

Respectfully submitted,  
CHRISTIE, PARKER & HALE, LLP

By   
Tom H. Dao  
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626/795-9900

DJB/lfb  
Enclosures:

Form PTO/SB/08A/B, w/ISA, IPRP, 3 non-U.S. references

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FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><b>Attorney Docket Number</b></td> <td>56484/N348</td> </tr> <tr> <td><b>Int'l. Application Number</b></td> <td>PCT/IB2004/002119</td> </tr> <tr> <td><b>U.S. Application Number</b></td> <td>To be assigned</td> </tr> <tr> <td><b>Filing Date</b></td> <td>Herewith</td> </tr> <tr> <td><b>Applicant(s)</b></td> <td>Robert George Hercus</td> </tr> <tr> <td><b>Group Art Unit</b></td> <td>To be assigned</td> </tr> <tr> <td><b>Examiner Name</b></td> <td>To be assigned</td> </tr> </table>	<b>Attorney Docket Number</b>	56484/N348	<b>Int'l. Application Number</b>	PCT/IB2004/002119	<b>U.S. Application Number</b>	To be assigned	<b>Filing Date</b>	Herewith	<b>Applicant(s)</b>	Robert George Hercus	<b>Group Art Unit</b>	To be assigned	<b>Examiner Name</b>	To be assigned
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<b>Examiner Name</b>	To be assigned														
<b>INFORMATION DISCLOSURE</b>  <b>STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)															

U.S. PATENT DOCUMENTS				
EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - Kind Code <sup>2</sup> (If Known)	Publication Date MM-DD-YYYY	Name of Patentee
		5,852,815	12-22-1998	Thaler
		5,937,432	08-10-1999	Yamaguchi et al.
		6,052,679	04-18-2000	Aparicio, IV et al.

FOREIGN PATENT DOCUMENTS					
EXAMINER INITIALS	Cite No. <sup>1</sup>	FOREIGN PATENT DOCUMENT Country Code <sup>2</sup> - Number <sup>3</sup> - Kind Code <sup>4</sup> (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>5</sup> (✓)
		WO 95/00920	01-05-1995	The United States of America, represented by The Secretary, Department of Health and Human Services	

OTHER DOCUMENTS		
EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		International Search Report for International Application No. PCT/IB2004/002119, completed on 9/24/2004, mailed 9/29/2004
		International Preliminary Report on Patentability for International Application No. PCT/IB2004/002119, completed 2/25/2005
		HUMPERT, B., "BIDIRECTIONAL ASSOCIATIVE MEMORY WITH SEVERAL PATTERNS", IJCNN 1990, June 17-21, 1990, pp. 1-741 - 1-750 and IEEE Xplore 1-page printout (11 pages), printed 9/22/2004
		WANG, L., "Multi-associated neural networks and their applications to learning and retrieving complex spatio-temporal sequences", IEEE Transactions on Systems, Man and Cybernetics, February 1999, printed 9/21/2004

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<b>EXAMINER SIGNATURE</b>		<b>DATE CONSIDERED</b>	
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.			

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